

## Datasheet

Model	Measurement Range	Description	Connection
BWA-PRESSURE-SENSOR-50	0–50 PSI	Includes pressure sensor PS1G50; gauge; 1/4"-18 NPT port	1 meter (39.36") cable with a 4-pin M12 male quick disconnect connector
BWA-PRESSURE-SENSOR-150	0–150 PSI	Includes pressure sensor PS1G150; gauge; 1/4"-18 NPT port	
BWA-PRESSURE-SENSOR-500	0–500 PSI	Includes pressure sensor PS1S500; sealed gauge; 1/4"-18 NPT port	
BWA-PRESSURE-SENSOR-3000	0–3000 PSI	Includes pressure sensor PS1S3000; sealed gauge; 1/4"-18 NPT port	

## Wiring

4-pin M12 Male Quick Disconnect Connector	Pin	Wire Color	Description
	1	brown (bn)	Supply +
	2	green (gn)	Output
	3	blue (bu)	Supply -
	4		Not used / No connection

## Specifications

### Supply Voltage

9 V DC to 30 V DC

### Current Consumption

< 3 mA

### Pressure Range

Proof: 2X FS

Burst: 3X FS

### Output

0 V DC to 5 V DC

### Fatigue Life

More than 4 million cycles

### Accuracy

Transducer:  $\pm 1.0\%$  BFSL

Transducer and Node:  $\pm 1.4\%$  FS

### Stability

$\pm 0.25\%$  per Year

### Pressure Port

1/4"-18 NPT

### Construction

Housing: 304 stainless steel

Wetted material: 17-4PH stainless steel

### Connection

1 m (39.36") cable with a 4-pin M12 male quick disconnect connector

### Electrical Connection

Conduit Fitting with Cable

### Zero/Span Offset Tolerance

$\pm 2.5\%$  FS

### Temperature

Compensated: 0 °C to 85 °C (32 °F to 185 °F)

Operating: -40 °C to 125 °C (-40 °C to 257 °F)

### Environmental Rating

IP65

### Certifications



Banner Engineering BV  
Park Lane, Culliganlaan 2F bus 3  
1831 Diegem, BELGIUM

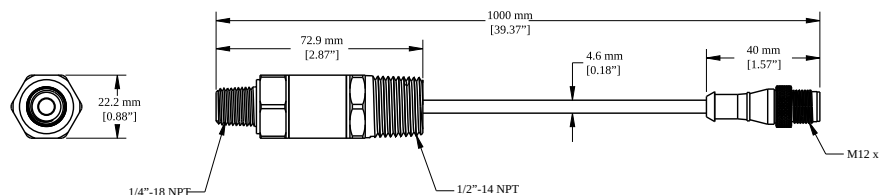


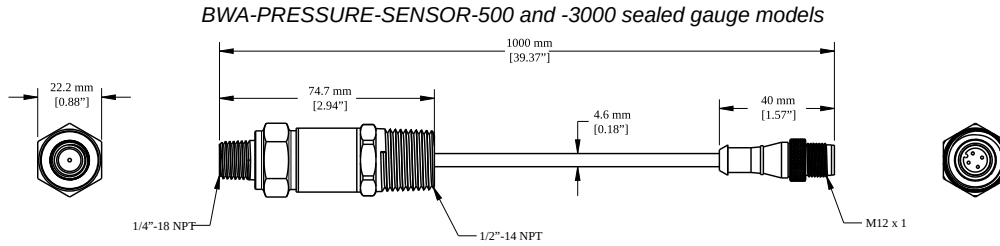
Turck Banner LTD Blenheim House  
Blenheim Court  
Wickford, Essex SS11 8YT  
GREAT BRITAIN

## BWA-PRESSURE-SENSOR Dimensions

All measurements are listed in millimeters, unless noted otherwise.

BWA-PRESSURE-SENSOR-50 and -150 gauge models





## Banner Engineering Corp Limited Warranty

Banner Engineering Corp. warrants its products to be free from defects in material and workmanship for one year following the date of shipment. Banner Engineering Corp. will repair or replace, free of charge, any product of its manufacture which, at the time it is returned to the factory, is found to have been defective during the warranty period. This warranty does not cover damage or liability for misuse, abuse, or the improper application or installation of the Banner product.

**THIS LIMITED WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES WHETHER EXPRESS OR IMPLIED (INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE), AND WHETHER ARISING UNDER COURSE OF PERFORMANCE, COURSE OF DEALING OR TRADE USAGE.**

This Warranty is exclusive and limited to repair or, at the discretion of Banner Engineering Corp., replacement. **IN NO EVENT SHALL BANNER ENGINEERING CORP. BE LIABLE TO BUYER OR ANY OTHER PERSON OR ENTITY FOR ANY EXTRA COSTS, EXPENSES, LOSSES, LOSS OF PROFITS, OR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES RESULTING FROM ANY PRODUCT DEFECT OR FROM THE USE OR INABILITY TO USE THE PRODUCT, WHETHER ARISING IN CONTRACT OR WARRANTY, STATUTE, TORT, STRICT LIABILITY, NEGLIGENCE, OR OTHERWISE.**

Banner Engineering Corp. reserves the right to change, modify or improve the design of the product without assuming any obligations or liabilities relating to any product previously manufactured by Banner Engineering Corp. Any misuse, abuse, or improper application or installation of this product or use of the product for personal protection applications when the product is identified as not intended for such purposes will void the product warranty. Any modifications to this product without prior express approval by Banner Engineering Corp will void the product warranties. All specifications published in this document are subject to change; Banner reserves the right to modify product specifications or update documentation at any time. Specifications and product information in English supersede that which is provided in any other language. For the most recent version of any documentation, refer to: [www.bannerengineering.com](http://www.bannerengineering.com).

For patent information, see [www.bannerengineering.com/patents](http://www.bannerengineering.com/patents).

Document title: BWA-PRESSURE-SENSOR Datasheet  
Part number: 212464  
Revision: D  
Original Instructions  
© Banner Engineering Corp. All rights reserved.

